REPORT

OF THE

Medical Officer of Health

FOR THE

« BOLSOVER URBAN DISTRICT »

FOR THE YEAR 1907.

GEO KENT, PRINTER AND BOOKBINDER, STATION ROAD, BOLSOVER

ANNUAL REPORT 1907,

— OF THE —

MEDICAL OFFICER OF HEALTH

BOLSOVER URBAN DISTRICT COUNCIL.

To the Chairman and Members of the Bolsover Urban District Council.

GENTLEMEN,

I have much pleasure in handing you my report for the year 1907.

General Remarks.

The past year compares favourably with 1906. The weather has been mild, but very changeable, the rainfall very considerable, and to this I attribute the fact, that cases of the infantile disease Summer Diarrhœa were very few. It is noteworthy that we had not a **single** death from this dread complaint.

Please note that all my calculations in the Tables are based on a population (estimated) of 10,000. This is a fairly accurate estimate (probably too small), and the rates given are more correct than by using the census figures of 1901.

In this report I am following out as far as possible the suggestions of the County Medical Officer of Health.

Mortality.

During 1907, 130 deaths were registered as actually occurring within the district, and 10 deaths of residents occurring outside making a total of 140 and a rate of 14 per 1000 per annum. In 1906 there were 122 deaths and a rate of 18·62. Excluding the 10 deaths of residents occurring outside the district the number of deaths would be 130 and the rate 13 per 1000 per annum.

Infantile Mortality.

A glance at Table V will shew you the causes of death in Infants during the first four weeks of life, also from the second month up to 12 months.

Fify-three deaths occurred in Infants, making a rate per 1000 births registered of 132·1.

The question of reducing the Infantile death rate, is of tremendous importance, and great legal measures are being passed, and monetary inducements held out to mothers to suckle their offspring, and tide the babies over the first twelve months of life.

As you are aware the present Government has made law the notification of Births' Act.

This Act is an adoptive one, and if adopted notice of a child's birth is required to be sent to the Medical Officer of Health by the Medical Man in charge of the case, or some other responsible person, no fee is allowed for these services, but yet there is a penalty for neglecting to notify the birth, which seems to me very unfair.

I am sure you will agree, that any means of reducing the still terrible Infantile mortality, is worthy of your careful consideration, and if the district Nurse would in addition to her present duties follow up each birth, and give instructions as to the proper clothing feeding &c., of each Infant, I feel confident the figures for 1908 will shew a very decided improvement. I feel very strongly on this question of Infantile mortality and have spoken to the district Nurse on the matter, and she would be willing to act as Inspector under the Act for you, if you would allow her a small salary.

The Local Government Board will not allow you to adopt this Act, unless you have some person to make use of the information given, as otherwise no benefit would accrue.

The District Nurse has a certain standing in the district and her calling, and giving advice as to the proper care &c., of an infant, is less likely to cause friction, than the interference of a stranger.

There are certain preliminaries to be gone through, before this act can be adopted, which I will explain to you if necessary, but I do most sincerely hope, and trust, you will give the adoption of this Act, your most serious consideration, as the subject is to my mind, one of paramount importance, and of vital interest to the district.

Causes of Death at all ages.

I would direct your attention to Table IV.

You will notice Whooping Cough caused seven deaths, and Phthisis (Consumption) 4.

Summer Diarrhœa.

Only a very few cases which all recoverd.

This is very satisfactory.

Births.

The number of Births registered was 401—183 boys and 218 girls. The rate being 40·1 per 1000 per annum of the estimated population 10,000.

One birth occurred in the Chesterfield Union Hospital.

Infectious Diseases.

I would direct your attention to Table III.

Notifiable diseases caused five deaths.

There was an epidemic of measles in October in New Bolsover and Carr Vale which necessitated the closure of the Infant Schools for four weeks.

Whooping Cough was prevalent during the early months of 1907. Some cases of Scarlatina and Enteric were removed to the Isolation Hospital at Mastin Moor, but it is a very difficult matter to persuade the parents to allow the patient to be removed, in fact the people in this district have a rooted objection to Hospitals for infectious cases.

Erysipelas cases numbered 48. I am still of opinion that this disease should be withdrawn from the list of notifiable diseases, and endorse Dr. Barwise's remarks in his Annual Report 1906.

Scavenging.

There is Public Scavenging for the whole District.

Population 10,000. The work is done by Contract. The cost of Scavenging for 1907 worked out at about £2/10 0 per house There is weekly removal of refuse and the maximum time limit is 7 weeks. The scavenging of a Colliery District is a big undertaking, especially when free coal is allowed, but I am convinced the Scavenging of the past year, was much more satisfactorily done, than in former years.

Now that there is a Public Water Supply, I should be pleased to see more Privy Middens (which are undoubtedly insanitary) converted into Water Closets.

I am continually impressing people with the need of burning vegetable refuse, but cannot get them to do so.

Urban Sanitary District of Bolsover.

ANNUAL REPORT

GENERAL STATISTICS.

Area in Acres :—Land, 4797½.

	Census, 1891.	Census, 1901.	Estimated, 1907
Population ...	4385 ? ...	6844 ...	10,000
Inhabited Houses	877 ? ...	1272 ...	2,000

New Houses erected during the year, 9.

Rateable Value, £50,332 18s. 6d. Assessable Value, £45,402 17s. 7d.

General District Rate, 2/3 in the £ per annum.

VITAL STATISTICS.

Birth Rate, 40·1. Infantile Mortality, 53.

Death Rates per 1,000 :—All Causes, 14 ; Epidemic Diseases, 1·2 ; Enteric Fever and Diarrhœa, 1 ; Phthisis, 4.

Has Infectious Diseases Prevention Act, 1890, been adopted ?—Yes.

Has Public Health Acts Amendment Act, 1890, been adopted ?—No.

Has District Council been recommended to adopt Notification of Births Act, 1907 ?—Yes.

Has Public Health Acts Amendment Act, 1907, been adopted ?—No.

1—OCCUPATIONS of Inhabitants and influence of any particular occupation of health, especially lead poisoning.	Chiefly Coal Miners, no dangerous occupations, no lead poisoning.
2.—HOUSE ACCOMMODATION.	
Its adequacy and fitness for habitation	Fairly satisfactory.
Houses closed during the year.	4.
Date of Building Bye-Laws	1901.
3.—SEWERAGE AND SEWAGE DISPOSAL.	
Works constructed during the year and works still required.	Four new bacteria beds to present Sewage Works required at Shuttlewood.
4.—EXCREMENT DISPOSAL.	
Approximate number of houses on.	
Privy Middens, 1430. Pail Closets. 500.	
Water Closets, 50.	
Slop Water Closets, 20.	
No of houses converted from privy middens to water closets 12.	
No. of defective privies improved 26.	
SCAVENGING.	
Population for which there is public scavenging.	10,000.
If done by servants of District Council under contract, or by occupiers of houses.	Contract.
Details of scavenging State how often refuse is removed and give details of methods of scavenging.	Weekly removal when required, maximum limit 7 weeks.
5.—WATER SUPPLY of District and its several parts.	From Bolsover and District Water Co., and wells, Whaley Thorns, Langwith Colliery, Stanfree surface spring wells.
Number of houses supplied with public supply.	
Nature of such supply, sufficiency and freedom from pollution of same.	From Magnesiam Limestone (lowest formation) tapped in deep Rly cutting.
No. of houses with no supply within 100 yards.	85 houses at Stanfree.

No. of houses supplied from surface wells.	Probably less than 30.
No. of houses supplied from springs	About 100 chiefly at Stanfree.
Particulars of any supplies which are liable to pollution.	Stanfree supply questionable, remainder of district satisfactory except a few isolated cases which are being attended to.
6—Action taken with regard to places over which Council have supervision State if Byelaws and Regulations have been adopted and gives dates of same.	No Bye-Laws adopted. Notices under P. H. Acts served in six cases to provide good supply after condemnation by County Analyst.
Lodging-houses.	Supplied with water from Public Main.
Slaughter-houses.	2 new ones built in accordance with Bye-Laws adopted 1906.
Daires and Cowsheds. Bakehouses.	All satisfactory.
Offensive Trades.	None.
Factories and Workshops.	22 on Register, all in satisfactory condition.
7.—SCHOOLS.	
Sanitary condition and action taken with regard thereto.	1 School not very good, action pending. Drains have already been relaid. Other Schools new and good.
Action taken with regard to prevention of Infectious Disease.	All Schools closed for any serious outbreak of infectious disease. No children allowed to attend from infected houses.
9.—INFECTIOUS DISEASES.	
Details of action taken after Notification to spread of disease.	House visited, Patient removed to Hospital, or isolated as well as circumstances will allow. Children kept from School when necessary.
No. of cases notified.	Small Pox 0, Scarlet Fever 57, Enteric fever 17, Puerperal fever 0, Erysipelas 48.
No. of cases removed to Hospital.	7.
Return cases.	None.
Is Antitoxin provided tree of charge for persons who cannot afford to pay for it?	Yes.
Details of methods of disinfection and disinfectants used State if disinfection is carried out by the Inspector.	Fumigation by Sulphurous Acid Gas. Yes.
No. of articles disinfected by steam.	None.

Improvements,

Better Scavenging ; Closure of Insanitary Dwellings ; Closure of Polluted Wells ; more satisfactory and sanitary School accommodation (2 New Schools).

Further requirements of District.

Sewage Scheme for Shuttlewood ; Water Supply for Stanfree Closure of some doubtful Wells as occasion requires ; adoption of Notification of Births' Act, 1907.

I remain Gentlemen,

Your obedient Servant,

WILLIAM STRATTON.

TABLE 1.

Vital Statistics of Whole District during 1907 and previous Years.

Name of District, BOLSOVER URBAN.

Year.	Population Estimated to Middle of each year.	Births.		Total Deaths registered in the District. Under 1 Year.		At all Ages.		Deaths of Residents registered in Public Institutions beyond the District.	Nett deaths at all ages belonging to the District	
		Number.	Rate.	Number.	Rate per 1000 Births registered.	Number.	Rate.		Number.	Rate.
1897 ...	5500	258	46·9	47	183·50	91	16·54			
1898 ...	5500	286	51·5	51	178·32	104	28·40			
1899 ...	5500	265	48·1	46	173·58	52	17·81			
1900 ...	5500	306	46·8	68	222·2	144	26·18			
1901 ...	6844	282	41·2	46	163·1	89	13·004			
1902 ...	6844	356	52·01	46	129·21	113	16·51	4	117	17·09
1903 ...	6844	359	52·45	50	131·9	119	17·38	9	128	18·7
1904 ...	6844	429	62·68	68	158·5	132	19·28	7	139	20·3
1905 ..	6844	409	59·76	49	119·8	123	17·97	6	129	18·84
1906 ...	6844	378	55·23	54	143·6	114	16·65	8	122	17·82
Averages for Years 1897—1906.	6306	332	51·66	52	160·3	108	18·97			
1907 ..	10000	401	40·1	53	132·1	130	13	10	140	14

Area of District in acres (exclusive of area covered by water) 4797½.

Total population at all ages, 6844.

Number of inhabited houses, 1272.

Average number of persons per house, 5.

} At Census 1901.

Institutions outside the District receiving sick and infirm persons from the District:—

Chesterfield General Hospital, Chesterfield Union Hospital, Infectious Diseases Hospital, Mastin Moor, Sheffield Royal Hospital, Sheffield Royal Infirmary, The Jessop Hospital, Sheffield.

TABLE II.—Vital Statistics of separate Localities in 1907 and previous years.

Name of District, BOLSOVER URBAN.

Year.	Population estimated to middle of each year.	Births Registered	Deaths at all ages.	Deaths under 1 year.
1897 ...	5500	258	91	47
1898 ...	5500	286	104	51
1899 ...	5500	265	52	46
1900 ...	5500	306	144	68
1901 ...	6844	282	89	46
1902 ...	6844	356	113	46
1903 ...	6844	359	119	50
1904 ...	6844	429	132	68
1905 ...	6844	409	123	49
1906 ...	6844	378	114	54
Averages of Years 1897 to 1906	6306	332	108	52
1907 ...	10000	401	140	53

TABLE III.

Cases of Infectious Disease notified during the Year 1907.

Name of District, BOLSOVER URBAN.

Notifiable Disease.	Cases Notified in Whole District.						
	At all ages	At Ages—Years.					
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards.
Diphtheria (including Membranous croup)	17	1	6	3	2	5	
Erysipelas	48		1	7	8	29	3
Scarlet Fever ...	57		18	35	2	2	
Enteric Fever ...	10		1	2	3	4	
Totals	132	1	26	47	15	40	3

TABLE IV.

Causes of, and Ages at, Death during Year 1907.

Name of District, EOLSOVER URBAN.

Causes of Death.	All Ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards
Scarlet Fever... ...	1		1				
Whooping-cough ...	7	4	2	1			
Diphtheria (including Membranous Croup)	3		3				
Enteric Fever ...	1				1		
Enteritis	3	3					
Phthisis (Pulmonary Tuberculosis) ...	4				1	3	
Other Tubercular Diseases	5	2	1	1		1	
Cancer, malignant Disease	11					7	4
Bronchitis	6		1			3	2
Pneumonia	25	12	6	1		3	3
Alcoholism & Cirrhosis of Liver	2					2	
Premature Birth ...	8	8					
Heart Diseases ...	5			1		2	2
Accidents	2				1	1	
Suicides	1					1	
Marasmus	7	7					
Inanition	6	6					
Convulsions	8	6	2				
Old Age	8						8
Nephritis	4					2	2
Meningitis	4	1	2			1	
All other causes ...	19	4		3		5	7
ALL CAUSES ..	140	53	18	7	3	31	28

TABLE V.

Infantile Mortality During the Year 1907.

Deaths from stated Causes in Weeks and Months under One Year of Age.

Name of District, BOLSOVER URBAN.

Cause of Death.	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total under 1 Year
Whooping Cough	...	...	...	...	...	...	1	..	1		1	...	...	...	..	1	4
Enteritis, Muco-enteritis, and Gastro-enteritis ...	...		...	...	..	..		2	1	..	..	...		..	...	...	3
Gastritis, and Gastro-intestinal Catarrh...	...	...	...	1	1	...	1	.	...	..	...	..	...	...	...	...	2
Premature Birth ...	7	.	..	..	7	..	.	1		..	..	..	...	.	...	...	8
Atrophy, Debility, and Marasmus	2	4	1	1	8	1	3	...	..	1	..	...	...	..	...	...	13
Tuberculous Meningitis	..	...	.	...	..	...	..		1	...	...	...	.	..	...	..	1
Other Tuberculous Diseases	..	...	...	...	.	...	..	...	...	...	...	1	...	...	..	..	1
Meningitis ... ... (not Tuberculous).	...	...	...	...	...	...	...	..	...	...	...	...	...	...	1	...	1
Convulsions	1	..	1	1	3	1	..	1	...	...	...	..	...	...	..	1	6
Pneumonia	...	...	...	1	1	1	1	...	..	2	1	1	1	3	...	1	12
Other Causes... ...	...	.	1	...	1	...	...	...	...	...	...	...	1	...	...	...	2
Total	10	4	3	4	21	3	6	4	3	3	2	2	2	3	1	3	53

Population (Estimated to middle of 1907), 10,000.

Births in the Year :—Legitimate, 401 ; Illegitimate, no record.

Deaths in the Year :—Legitimate, 53 ; Illegitimate, no record.

Deaths from all Causes at all Ages, 140.

Factories, Workshops, Laundries, Workplaces, and Homework.

1.—INSPECTIONS.

WORKSHOPS (Including Workshop Laundries).

No. of Inspections	30
No. of Written Notices	2
Total	32

2.—DEFECTS FOUND.

UNSUITABLE OR DEFECTIVE SANITARY ACCOMMODATION.

Found	2
Remedied	2
Total	4

3.—REGISTERED WORKSHOPS.

Total Number of Workshops on Register 15

ANNUAL REPORT OF SANITARY INSPECTOR
1907.
BOLSOVER URBAN SANITARY DISTRICT.

NAME OF INSPECTOR—W. G. H. BROWNE, A.R.S.I.

AREA OF DISTRICT, 4,797 ACRES.

ESTIMATED NUMBER OF HOUSES, 2,000.

NEW HOUSES ERECTED, 9.

	Informal Notices Served by Sanitary Inspector.	Legal Notices Served by Local Authority.	Nuisances Abated.
DWELLING HOUSES—			
Repaired	2	...	2
Closed as Unfit for Habitation ...	—	3	3
Infected Houses Disinfected ...	85	...	...
DRAINAGE—			
No Disconnection of Waste Pipe	2	...	2
Defective Traps, Inlets, & Drains	40	3	40
Drains Obstructed...	71	2	71
CLOSETS AND ASHPITS—			
Insanitary Privies and Ashpits ..	26	2	26
Insufficient Closet Accommodation	4	...	4
Conversion of Privies into W.C.'s	4	...	4
Defective Water Closets... ...	7	1	7
OTHER DEFECTS—			
Surfaces of Courts and Yards ...	3	...	3
Eaves-Spouts and Down-Spouts	...	...	...
Urinals Defective	...	...	...
Water Supply	12	1	12
Offensive Accumulations... ..	20	..	20
Animals improperly kept... ...	9	...	9
Pigsties	2	...	2
Smoke Nuisances...	...	...	...
Overcrowding	6	...	6
Foul Condition of Houses ...	2	...	2
Totals	210	12	213

	Number on Register	Inspections Made	Notices Served
Dairies, Cowsheds, & Milkshops	15	102	10
Bakehouses	9	30	1
Slaughterhouses	9	52	3
Offensive Trades	...	...	...
Common Lodging-houses ...	1	15	2
Totals	34	199	16

Action taken by Inspector against spread of Infectious Disease :—Disinfection of Infected Premises, Isolation of Infected Persons, Analysis of Water Supplies, Foodstuffs Periodically Examined, Dwellings Inspected for Defects.

Samples of Water submitted for Analysis :—Four.

Other Action taken :—Public Scavenging receiving extra attention. Cesspool emptying undertaken until Sewage Works are provided out at Shuttlewood.

Signed,

W. G. H. BROWNE.